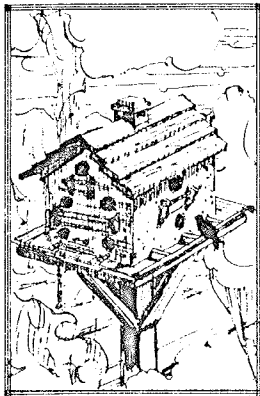
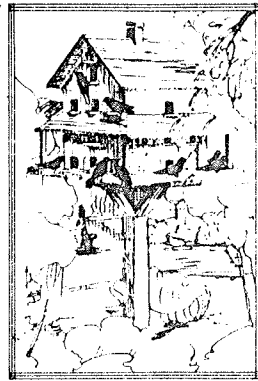
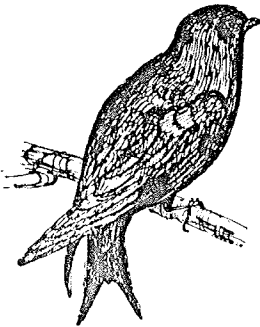
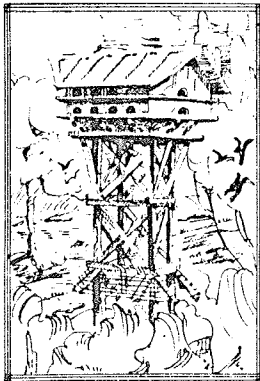
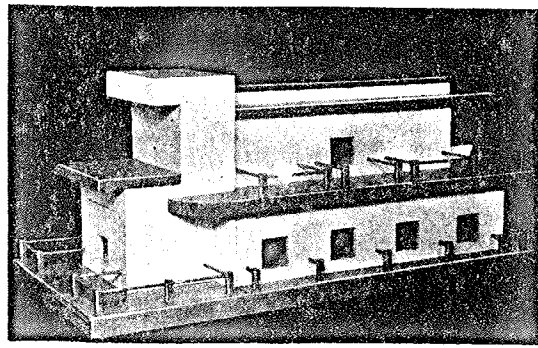
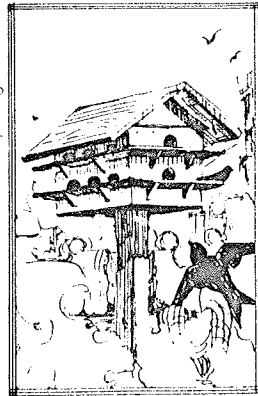


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MARTIN COLONY HOUSES
 HANDICRAFT PROJECTS



PURPLE MARTIN :-
 The Purple Martin is seven inches to eight inches in length and is very peculiar to America. It ranges from the Arctic Circle to South America and migrates in late April and early September. It feeds on wasps, beetles and many species of injurious insects —



15B-5-143

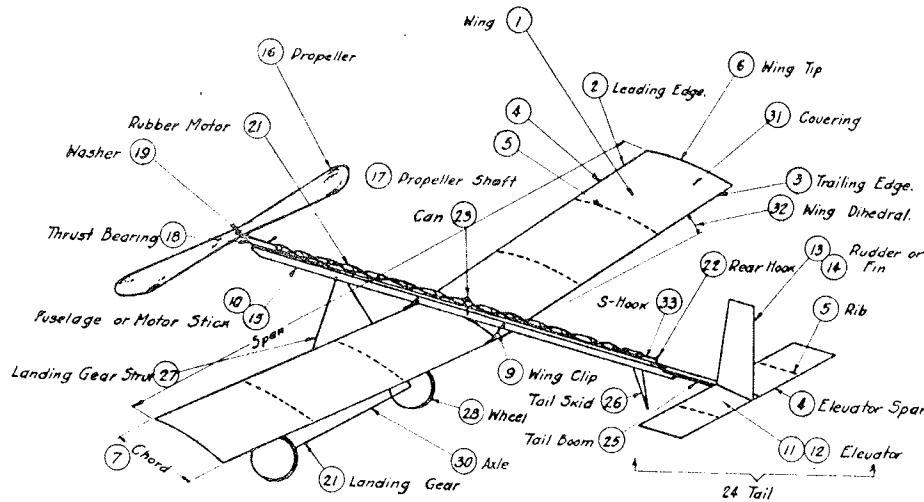
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Drawing Plate
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SAMPLE PAGE FROM
MODEL AIRPLANES
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MODEL AIRPLANE NOMENCLATURE
 STICK MODEL ROG. TYPE



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| <p>1 — Wing — The main surfaces of an airplane for supporting the plane in the air.</p> <p>2 — Leading edge — The front edge of a surface, such as a wing or elevator.</p> <p>3 — Trailing edge — The rear edge of a surface, such as a wing or elevator.</p> <p>4 — Spars — The main members of a surface, such as the wing or the elevator.</p> <p>5 — Rib — The fore and aft members of a surface such as the wing or the elevator which connect the leading edge and trailing edge, and to which the wing covering is fastened.</p> <p>6 — Wing tips — The extremities of the wing.</p> <p>7 — Chord — The fore and aft dimensions of the wing or distance from leading edge to trailing edge.</p> <p>8 — Span — The dimension of the wing or elevator from tip to tip.</p> <p>9 — Wing clips — The clips or clamps used to hold the wing to the fuselage or motor stick at the front and rear spars.</p> <p>10 — Fuselage — The main body of an airplane containing crew, motor and useful load.</p> <p>11 — Elevator — A horizontal surface carried by the rear end of the fuselage and hinged so as to steer the plane up or down.</p> <p>12 — Stabilizer — A fixed horizontal surface carried by the rear end of the fuselage to which the elevators are hinged, to make the plane stable longitudinally.</p> <p>13 — Rudder — A vertical surface placed to the rear of the vertical stabilizer or fin to steer the plane to the right or left.</p> <p>14 — Fin — A fixed vertical surface placed over the horizontal stabilizer or wherever convenient to keep the airplane directionally stable.</p> <p>15 — Motor base or motor stick — A member taking the place of the fuselage on a stick model and carrying the rubber motor.</p> <p>16 — Propeller — A narrow bladed screw carried by the fuselage or motor base and made to revolve to pull the airplane forward.</p> <p>17 — Propeller shaft — The shaft on which the propeller is mounted and which turns with it.</p> <p>18 — Thrust bearing — The support and bearing for the propeller shaft.</p> <p>19 — Washer — A small washer on the propeller shaft, placed between the thrust bearing and the propeller to lessen the friction.</p> | <p>20 — Motor — Any device that makes the propeller turn.</p> <p>21 — Rubber motor — Twisted rubber bands or strands fastened to the propeller shaft and the rear motor hook of the motor base to make the propeller turn.</p> <p>22 — Rear hook — The hook carried by the motor base or fuselage to which the rear end of the rubber motor or S-hook is fastened.</p> <p>23 — Can — A support for the rubber motor carried by the fuselage or motor base. Used to keep the motor base straight to avoid breaking.</p> <p>24 — Tail — A general name for all steering and stabilizing surfaces back of the main wings.</p> <p>25 — Tail boom — A member fastened to the motor base on which the controls and stabilizing surfaces are mounted.</p> <p>26 — Tail suid — A member projecting downward below the elevator to prevent damaging the tail of the plane in landing.</p> <p>27 — Landing gear — The device which supports the airplane on the ground and is used for landing and taking off.</p> <p>28 — Landing gear wheels — Wheels or rollers carried by the landing gear for moving on the ground.</p> <p>29 — Landing gear struts — Members extending below the fuselage which carry the wheels.</p> <p>30 — Landing gear axle — The axles connecting the struts and carrying the wheels.</p> <p>31 — Covering — The material used to cover all wings control and stabilizing surfaces as well as the fuselage.</p> <p>32 — Wing dihedral — The angle which a wing makes with the horizontal when viewed from the front.</p> <p>33 — S-hook — The hook fastened between the rubber motor and the rear motor hook. Used for winding with a converted egg beater or other mechanical winder.</p> |
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17B-6-100

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